



MSD

November 21, 1997

Ms. Liza Montalvo
Residual Project Manager
Kentucky/Tennessee Section
U. S. Environmental Protection Agency
Region IV
345 Courtland St, N. E.
Atlanta, GA 30365

Re: **Report of Field Observation - FY 98- First (FY98-1Q),
Lees Lane Superfund Site, Jefferson County, Kentucky,
Administrative Order on Consent, USEPA Docket No. 91-32-C**

Dear Ms. Montalvo:

In accordance with paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY98-1Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY98-1Q.

Sincerely,

Carl A. Neumayer
Director of Operations
CAN/dc
Lees-1Q98ltr
Enc.

cc: Kentucky Natural Resource Environment Protection Cabinet
Mr. Rick Hogan, Division of Waste Management
Kentucky Natural Resource Environment Protection Cabinet
Mr. Jeff Pratt, Division of Waste Management
G. R. Garner, Executive Director
File WD-2 (Lees Lane M&M Quarterly)



10861040

**REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY**

Observation Report No.: FY98-1Q

Date of Observation: 9/29/97

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

Comment No.:

Comment

- | | |
|------|--|
| A-4 | Observed rutted area in the vicinity of the culvert under the access road near the shale swale which will require filling and grading. |
| B-2 | Putman Avenue barricade condition remains unchanged from previous quarterly institutional inspections. |
| B-12 | The Blower House warning signs have been significantly damaged by small arms fire and will require replacement. Gas well structural markers are all in satisfactory condition but will require repainting during the third or fourth quarters of FY98. |
| C-1 | Continue to observe some small arms fire damage to the walls of the Blower House and warning signs. Small arms fire damage is evident on all faces of the Blower House except the west side. |
| C-7 | Several of the well/moisture trap concrete collars have been disturbed in the vicinity of Wells No. 12, 28, and 30. |

Comment No.

Corrective Action Performed

- | | |
|-----|---|
| A-4 | Schedule placement of additional earth back fill material to fill rutted area in the vicinity of the culvert under the access road near the shale swale, weather permitting, during FY 98-2Q. |
| B-2 | No further corrective action required at this time. |
| C-1 | No further corrective action proposed at this time. Continue to monitor small arms fire damage and consider scheduling of repairs to the concrete block walls of the Blower House prior to the end of FY 98-4Q. |
| C-7 | Weather permitting, replace damaged well/ moisture trap concrete collars in the vicinity of Wells No. 12, 28 and 30. |

Comment No.:**Comment**

- C-8 Noted several well/moisture trap covers missing generally in the vicinity of the Blower House.
- C-12 The Blower House warning signs have been significantly damaged by small arms fire and will require replacement. Gas well structural markers are all in satisfactory condition but will require repainting during the third or fourth quarters of FY98.
- D-2 Observed broken guardrail on gas well adjacent to road leading to the Putnam Avenue barricade.
- D-6 Observed that most excessive vegetation previously reported has been cut although some additional trimming is needed.
- D-8 Tubing, fittings, and valves were not directly observed but no external damage or disturbances noted. Similar fittings on the monitoring gas and groundwater wells were obviously in satisfactory condition being used for the quarterly ambient sampling program.

Comment No.**Corrective Action Performed**

- C-8 Replace or reset several well/moisture trap covers missing in the vicinity of the Blower House.
- C-12 Tentatively, schedule replacement of Blower House warning signs and repainting of gas well structural markers during FY98-3Q and 4Q.
- D-2 Schedule welding of broken guard rail on gas well adjacent to the road leading to the Putnam Avenue barricade during FY98-2Q or 3Q.
- D-6 Notify independent moving contractor to improve cutting of vegetation in and around groundwater wells commencing with mowing operations during FY98-3Q and 4Q.
- D-8 Tubing and fitting connections on several gas wells appear to be in satisfactory condition because of sampling activities being conducted by Radian Corp./MSD force account as part of quarterly institutional inspection activities.

Comment No.:**Comment**

- E-7 Observed obvious vegetation growth on the riprap section as a result of the heavy spring and summer rains.
- E-8 Observed the buildup of river borne trash and debris on the riprap as a result of the March, 1997 flood event. This debris is mainly the remains of floating logs and branches.
- E-9 Exposed filter fabric was not observed but no apparent damage was evident because of the erect nature of the trees and other vegetation growth along the cap embankment adjacent to the Ohio River.
- E-12 Observed that the marker for Benchmark No. 4 had been overturned and will require resetting.
- F-1 Observed the shale swale between the access road in the top of the riprap slope section to be in satisfactory condition with only a slight evidence of standing water at upper end of the culvert pipe crossing under the access road.
- F-3 As previously indicated, observed truck rutting in the area east of the access road in the vicinity of Benchmark No. 5 and the culvert crossing of the access road to the shale swale which will require filling.

Comment No.**Corrective Action Performed**

- E-7 Schedule the services of an independent contractor to spray riprap areas during FY98-3Q and 4Q, subject to weather conditions, in order to control regrowth of vegetation.
- E-8 No corrective action required at this time. Continue to monitor at subsequent institutional inspections.
- E-9 No corrective action indicated at this time.
- E-12 The marker for Benchmark No. 4 has been reset.
- F-1 Reschedule slip lining the small diameter drainage pipe to proper grade inside the existing culvert and regrade upstream inlet prior to the end of FY 98-4Q, subject to weather conditions and manpower availability.
- F-3 Filling and regrading of truck rutting in the vicinity of Benchmark No. 5 to be performed as indicated in Comment No. A-4 above.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY98-1Q Date of Observation: 9/29/97

Time Arrived Onsite: 8:20 a.m. Time Departed Site: 9:45 a.m.

Field Personnel: Carl A. Neumayer, Director of Operations and Richard

H. Watkins, Support Services Manager, Maintenance Division

Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/fill material	—	<u>X</u>	—	—
2. Evidence of leachate seepage	—	<u>X</u>	—	—
3. Distressed Vegetation	—	<u>X</u>	—	—
4. Pot holes, erosion of access road	—	<u>X</u>	—	<u>A-4</u>

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade	—	<u>X</u>	—	—
2. Structural problem with Putman Ave. barricade	—	<u>X</u>	—	<u>B-2</u>
3. Lee's Lane gate unlocked	—	<u>X</u>	—	—
4. Broken or missing lock	—	<u>X</u>	—	—

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	<u>X</u>	—	—	<u>C-1</u>
2. Structural damage to blower house	—	<u>X</u>	—	—
3. Blower not operating or visible damage	—	<u>X</u>	—	—
4. Blower house not secure and unclean	—	<u>X</u>	—	—

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	—	<u>X</u>	—	—
6. Alarm and blower controls not functioning	—	<u>X</u>	—	—
7. Settlement or tilting of well/moisture trap concrete collars	<u>X</u>	—	—	C-7
8. Well/moisture trap covers missing or damaged	<u>X</u>	—	—	C-8
9. Excessive vegetation covering wells/moisture traps	—	<u>X</u>	—	—
10. Adjustment valve inaccessible	—	<u>X</u>	—	—
11. Well/moisture trap caps, plugs, and piping missing or damaged	—	<u>X</u>	—	—
12. Blower house and well/moisture trap signs missing or damaged	<u>X</u>	—	—	C-12

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	—	<u>X</u>	—	—
2. Guard posts and rails missing or damaged	<u>X</u>	—	—	D-2
3. Protective casing missing, damaged or rusted	—	<u>X</u>	—	—
4. Concrete pads damaged or cracked	—	<u>X</u>	—	—
5. Possible surface water infiltration into wells	—	<u>X</u>	—	—
6. Excessive vegetation or debris around wells	—	<u>X</u>	—	D-6
7. Well cap missing or damaged	—	<u>X</u>	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	<u>X</u>	D-8

Section E: Bank Protection Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving	—	<u>X</u>	—	—
2. Erosion of rip-rap or underlying material	—	<u>X</u>	—	—
3. Abnormally damp areas, wet ground vegetation	—	<u>X</u>	—	—
4. Soft spots in surface	—	<u>X</u>	—	—
5. Seepage, water flow, piping, or sand boils	—	<u>X</u>	—	—
6. Undermining of rip-rap	—	<u>X</u>	—	E-7
7. Vegetative growth on rip-rap slope	<u>X</u>	—	—	E-8
8. Buildup of trash and debris on rip-rap	<u>X</u>	—	—	E-9
9. Exposed trash or filter fabric	—	—	<u>X</u>	—
10. Tilting trees	—	<u>X</u>	—	—
11. Tension cracks	—	<u>X</u>	—	—
12. Survey monuments missing or damaged	<u>X</u>	<u>X</u>	—	E-12

Section F: Surface Waste Cleanup/Cover

Observation:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep	—	<u>X</u>	—	F-1
2. Cracks greater than 1 inch wide and 6 inches deep	—	<u>X</u>	—	—
3. Areas of erosional damage to grass	<u>X</u>	<u>X</u>	—	F-3
4. Inadequate grass cover (area > 36 ft ²)	—	<u>X</u>	—	—
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	—	<u>X</u>	—	—
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	<u>X</u>	—	—

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY98-1Q Date of Observation 9/29/97

Site Map

Signature of Observer: *Carl A. Neumayer* Date: 11/20/97
Carl A. Neumayer